

TITLE

Modified Polyacetals for Decorative Applications

ABSTRACT OF THE DISCLOSURE

A painted polyacetal article comprises a polyacetal substrate
5 comprising 90 – 99.5wt% polyacetal and 0.5 – 10wt% of semicrystalline or amorphous thermoplastic non-polyacetal resin of molecular weight 1,000 – 50,000; and a paint applied to the polyacetal substrate from a solvent-borne, water-borne or powder 1K paint system onto a surface of the polyacetal substrate pretreated to enhance exposure of said
10 semicrystalline or amorphous thermoplastic non-polyacetal resin of the substrate to the applied paint. The paint is a thermoplastic or partly thermoplastic non-thermosetting paint. A layer of thermosetting paint or varnish can be applied over the thermoplastic paint. The painted polyacetal article has improved paint adhesion and good retained physico-mechanical properties.
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